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(FILE 'HOME' ENTERED AT 17:55:13 ON 09 JAN 2008)

FILE 'REGISTRY' ENTERED AT 17:55:31 ON 09 JAN 2008

L1 7 S FCSGVYTGDP SK/SQSP

FILE 'CAPLUS' ENTERED AT 17:57:39 ON 09 JAN 2008

L2 4 S 175645-24-6/RN

L3 5 S 197025-85-7/RN

FILE 'CAPLUS' ENTERED AT 18:02:42 ON 09 JAN 2008

L4 1 S WO199534659/PN

L5 0 S L4 AND THREONINE

FILE 'PCTFULL' ENTERED AT 18:03:26 ON 09 JAN 2008

L6 1 S L4

L7 1 S L6 AND THREONINE

FILE 'REGISTRY' ENTERED AT 18:20:15 ON 09 JAN 2008

L8 205 S FCSGVYAGDP SK/SQSP

L9 0 S GDEVFERLIEPFFCSGVYAGDP SKLSMKAAFGK/SQSP

L10 0 S GDEVFERLIEPFFCSGVYAGDP SKLSMKAA/SQSP

L11 0 S GDEVFERLIEPFFCSGVYAGDP SKL/SQSP

L12 78 S GDEVFERLIEPFFCSGVYAGDP SKL/SQSP

L13 77 S GDEVFERLIEPFFCSGVYAGDP SKLSMKAAFGK/SQSP

FILE 'CAPLUS' ENTERED AT 18:26:33 ON 09 JAN 2008

L14 22 S L13

L15 2 S L14 NOT PATENT/DT,SO

L16 20 S L14 NOT L15

L17 6 S L16 AND (MUTANT OR MUTATE OR MUTATED)

L18 14 S L16 NOT L17

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1588	protox or protoporphyrinogen oxidase	US-PGPUB; USPAT	ADJ	ON	2008/01/09 15:33
L2	185	(protox or protoporphyrinogen oxidase) same (mutant or mutate or mutated)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:13
L3	8	l2 and (alanine same "226")	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:37
L4	1	"5767373".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:11
L5	46	l2 and alanine	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:20
L6	2	l5 and "226".clm.	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:17
L7	32	l5 not (heifetz.in. or volrath.in. or johnson.in. or ward.in.)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:21
L8	32	l7 and (alanine or ala or "226")	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:21
L9	32	l7 and (alanine or "226")	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:28
L10	0	l7 and (alanine same "226")	US-PGPUB; USPAT	ADJ	ON	2008/01/09 16:28
L11	11	l2 and (threonine same "226")	US-PGPUB; USPAT	ADJ	ON	2008/01/09 17:44
L12	8	l3 and plastid transit peptide	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:47
L13	8	l3 and (transit peptide same seq id)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:52
L14	8	l3 and (lacks same transit peptide same seq id)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:51
L15	1	"20050081259".pn. and (transit peptide same seq id)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:53
L16	0	"20050081259".pn. and (transit peptide same seq id) and (lacks same plastid transit peptide)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:54
L17	1	"20050081259".pn. and (transit peptide same seq id) and (lacks same transit peptide)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 18:57
L18	1	"20050081259".pn. and (plastid transit peptide same coding)	US-PGPUB; USPAT	ADJ	ON	2008/01/09 19:05
L19	15	protox promoter	US-PGPUB; USPAT	ADJ	ON	2008/01/09 19:06
L20	33	protox same promoter	US-PGPUB; USPAT	ADJ	ON	2008/01/09 19:06

	U	1	Document ID	Issue Date	Pages
1	X		US 20050081259 A1	20050414	99
2	X		US 20020073443 A1	20020613	91
3	X		US 20010016956 A1	20010823	98
4	X		US 6808904 B2	20041026	90
5	X		US 6308458 B1	20011030	96
6	X		US 6084155 A	20000704	95
7	X		US 6023012 A	20000208	82
8			<u>US 5939602 A</u>	19990817	87

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 Claim 65 & 67 (DNA)

	Title	Current OR	Current XRef
1	Herbicide tolerance achieved through plastid transformation	800/278	435/468; 536/23.6
2	Herbicide tolerance achieved through plastid transformation	800/278	
3	Herbicide-tolerant protox genes produced by DNA shuffling	800/300	435/91.1; 536/23.6
4	Herbicide-tolerant protox genes produced by DNA shuffling	435/91.1	435/91.2
5	Herbicide-tolerant plants and methods of controlling the growth of undesired vegetation	504/246	504/116.1; 504/240; 504/243; 504/265; 504/281; 504/283; 800/300
6	Herbicide-tolerant protoporphyrinogen oxidase ("protox") genes	800/300	435/320.1; 435/419; 435/440; 536/23.2; 536/23.6; 800/306; 800/312; 800/314; 800/317.3; 800/320; 800/320.1; 800/320.2; 800/320.3
7	DNA molecules encoding plant protoporphyrinogen oxidase	800/300	
8	DNA molecules encoding plant protoporphyrinogen oxidase and inhibitor-resistant mutants thereof	800/300	435/320.1; 435/419; 435/440; 435/468; 536/23.2; 536/23.6; 800/278

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Heifetz, Peter B. et al.							
2		Heifetz, Peter B. et al.							
3		Ward, Eric R. et al.							
4		Ward; Eric R. et al.							
5		Volrath; Sandra L. et al.							
6		Volrath; Sandra L. et al.							
7		Volrath; Sandra L. et al.							
8		Volrath; Sandra L. et al.	X						

	Image Doc. Displayed	PT
1	US 20050081259	
2	US 20020073443	
3	US 20010016956	
4	US 6808904	
5	US 6308458	
6	US 6084155	
7	US 6023012	
8	US 5939602	